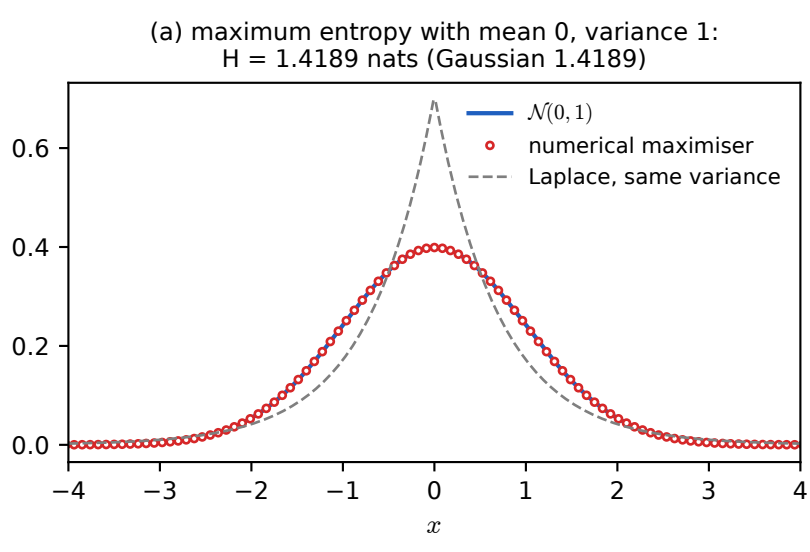
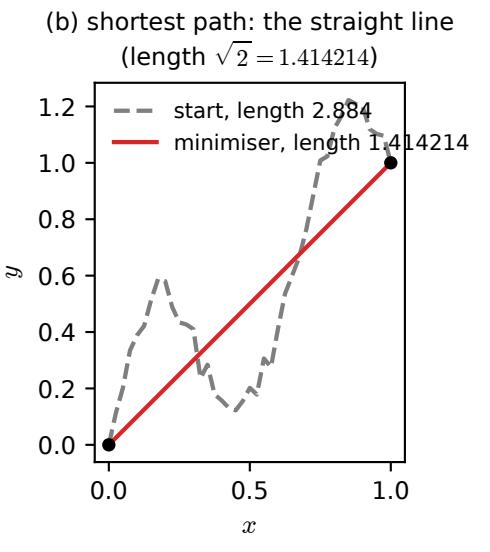

(a) maximum entropy with mean 0, variance 1:
H = 1.4189 nats (Gaussian 1.4189)
$\mathcal{N}(0,1)$
numerical maximiser
Laplace, same variance
0.0
0.2
0.4
0.6
−4
−3
−2
−1
0
1
2
3
4
x


(b) shortest path: the straight line
(length $\sqrt{2} = 1.414214$)
start, length 2.884
minimiser, length 1.414214
0.0
0.2
0.4
0.6
0.8
1.0
1.2
y
0.0
0.5
1.0
x